

## MONTHLY OPERATIONS REPORT

August 2015

Town of Discovery Bay, CA

**2193** Days of Safe Operations

**98971** worked hours since last recordable incident

### TRAINING:

Safety, Operations, & Equipment

Safety	Hours
West Monthly Regional Safety Webinar Weekly Safety Topics Monthly Safety Topics	3.0
Operations	
New Ox Rotors New Clarifier #5	3.0

### REPORTS SUBMITTED TO REGULATORY AGENCIES

Monthly Discharge Monitoring Report (DMR) Monthly electronic State Monitoring Report (eSMR) Monthly Coliform Report, State Water Board (WD)
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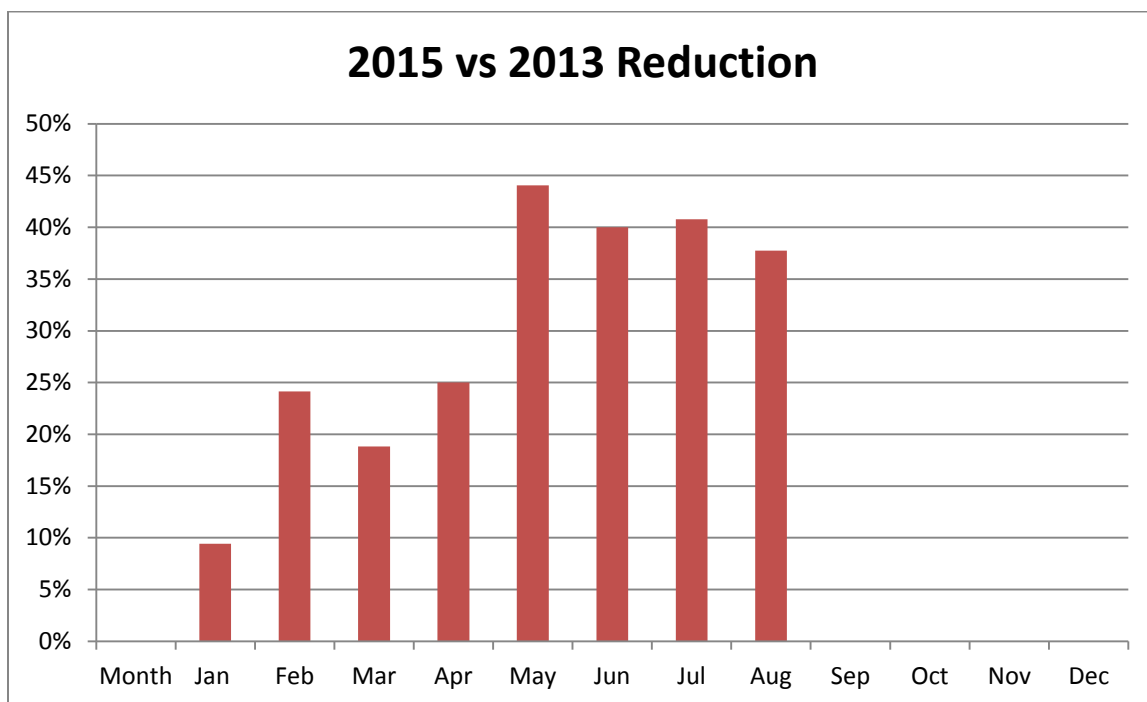
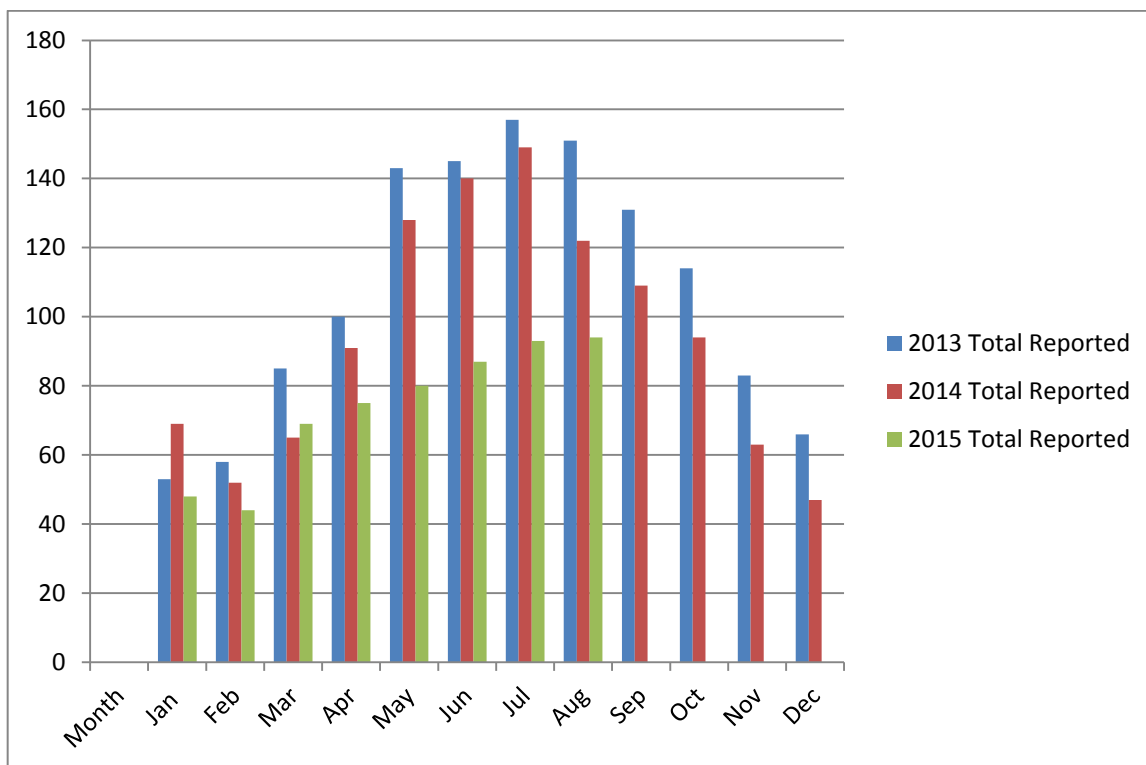
### WATER SERVICES

# of Active Wells	Water Produced (MG)	Chemical (Hypo) Delivered	Fire Hydrant Flushing
5	<b>94</b>	<b>2620</b>	<b>0</b>

*Note: Well 4 in lead and Well 5 in lag to offset specific conductivity*

### 2015 Water Production Table (MG) by Month

January	February	March	April	May	June
<b>48</b>	<b>44</b>	<b>70</b>	<b>75</b>	<b>80</b>	<b>87</b>
July	August	September	October	November	December
<b>93</b>	<b>94</b>				



**Reused Water:**

**1.3 MG - July**

**1.9 MG - August**

### Bacteriological Test Results:

Routine Bacteria Samples Collected	No. Total Coliform Positives	No. Fecal/E. coli Positives	Brown Water Calls
<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>

## WASTEWATER SERVICE

### Wastewater Laboratory Analysis

<i>WW Effluent Parameter</i>	<i>Permit Limits</i>	<i>July Lab Data</i>	<i>August Lab Data</i>
Flow, MG Effluent, <b>monthly total</b>		<b>36.1</b>	<b>33.6</b>
Flow, MG Daily Influent Flow, <b>avg.</b>	<b>N/A</b>	<b>1.0</b>	<b>1.1</b>
Flow, MG Daily Discharge Flow, <b>avg.</b>	<b>2.1</b>	<b>1.2</b>	<b>1.1</b>
Effluent BOD <sub>5</sub> , lbs/d, <b>monthly avg.</b>	<b>350</b>	<b>25</b>	<b>17</b>
Effluent TSS, lbs/d, <b>monthly avg.</b>	<b>525</b>	<b>47</b>	<b>29</b>
Effluent BOD <sub>5</sub> , mg/L, <b>monthly avg.</b>	<b>20</b>	<b>3</b>	<b>2</b>
Effluent TSS, mg/L, <b>monthly avg.</b>	<b>30</b>	<b>5</b>	<b>4</b>
Total Coli form 7 day Median Max	<b>23</b>	<b>0</b>	<b>0</b>
Total Coli form Daily Maximum	<b>240</b>	<b>9.3</b>	<b>0</b>
% Removal BOD <sub>5</sub> , monthly avg.	<b>85% min.</b>	<b>98</b>	<b>94</b>
% Removal, TSS, monthly avg.	<b>85% min.</b>	<b>99</b>	<b>98</b>
Electrical Conductivity, umhos/cm <b>annual avg.</b>	<b>2100</b>	<b>2067</b>	<b>2119</b>

Blue – new parameter added

### National Pollution Discharge Elimination System (NPDES)

NPDES Related Excursions	Permit Parameter	NPDES Parameter Limit	Actual Parameter Result
<b>0</b>	<b>None</b>	<b>0</b>	<b>N/A</b>

### Bacteriological Test Results:

Routine Bacteria Samples Collected	No. Total Coliform Positives	No. Fecal/E. coli Positives	7-Day Median Excursion
12	0	0	0

# of Active Lift Stations	# of Inactive Lift Stations	SSO	Wastewater Received (MG)
15	0	0	33.6

### **COLLECTION:**

- Flushing completed
- CCTV completed
- Inspected 0 manhole & covers. 0 YTD
- Performed valve exercising
- Performed weekly lift station inspections.

### **MAINTENANCE:**

#### **Preventive and Corrective**

Total # of WO's Completed	Total Hours
255	202

#### **Work Order Back-Log**

Aging 8 - 30 Days	Aging > 30 Days
22	0

#### **Call & Emergency Responses**

Call Outs	Emergencies
2	0

#### **Personnel Hours & Overtime:**

Regular Hours	Overtime
1394	51

### **TERMS**

WWTP	WASTEWATER TREATMENT PLANT
WTP	WATER TREATMENT PLANT
WL	WILLOW LAKE
NP	NEWPORT
VFD	VARIABLE FREQUENCY DRIVE
WO	WORK ORDER
PLC	PROGRAMMABLE LOGIC CONTROLLER
L/S	LIFT STATION
SSO	SANITARY SEWER OVERFLOW
BOD	BIOLOGICAL OXYGEN DEMAND
TSS	TOTAL SUSPENDED SOLIDS
MGD	MILLION GALLONS PER DAY
mg/l	MILLIGRAMS PER LITRE
CCTV	CLOSED CIRCUIT TELEVISION
PPM	PARTS PER MILLION
RAS	RETURN ACTIVATED SLUDGE
WAS	WATSE ACTIVATED SLUDGE
UV	ULTRAVIOLET LIGHT